

Title (en)

STRUCTURAL SINGLE DEGREE OF FREEDOM FACE SHEET ACOUSTIC LINER

Title (de)

AKUSTISCHE AUSKLEIDUNG MIT EINER STRUKTURDECKSCHICHT MIT EINZELNEM FREIHEITSGRAD

Title (fr)

DOUBLURE ACOUSTIQUE AVEC FEUILLE FRONTALE STRUCTURALE À UN SEUL DEGRÉ DE LIBERTÉ

Publication

EP 3839939 A1 20210623 (EN)

Application

EP 20214090 A 20201215

Priority

US 201916721478 A 20191219

Abstract (en)

A co-curable thermoset acoustic liner and method of forming the same includes a sound attenuating core having a plurality of core cells. An inner face sheet having a plurality of face sheet apertures is coupled to the core by an inner thermoset adhesive sheet, which has a plurality of adhesive sheet apertures. Each of the plurality of adhesive sheet apertures is aligned within a corresponding one of the plurality of face sheet apertures so that the plurality of core cells are placed in fluid communication with airflow over the inner face sheet to create a Single Degree of Freedom (SDOF) acoustic liner.

IPC 8 full level

G10K 11/168 (2006.01); **B64C 1/40** (2006.01); **F01N 1/24** (2006.01); **F02B 77/13** (2006.01); **F02C 7/045** (2006.01); **F02K 1/34** (2006.01); **F02K 1/82** (2006.01); **G10K 11/172** (2006.01); **B29D 99/00** (2010.01); **B32B 3/12** (2006.01)

CPC (source: CN EP US)

B29D 99/0021 (2013.01 - EP); **B32B 1/08** (2013.01 - EP); **B32B 3/12** (2013.01 - CN EP); **B32B 3/266** (2013.01 - CN EP); **B32B 5/02** (2013.01 - EP); **B32B 5/26** (2013.01 - CN); **B32B 7/12** (2013.01 - CN EP); **B32B 9/005** (2013.01 - EP); **B32B 9/007** (2013.01 - CN); **B32B 9/041** (2013.01 - CN); **B32B 9/045** (2013.01 - CN); **B32B 9/047** (2013.01 - CN); **B32B 15/01** (2013.01 - CN); **B32B 15/04** (2013.01 - CN); **B32B 15/082** (2013.01 - CN); **B32B 15/088** (2013.01 - CN); **B32B 15/09** (2013.01 - CN); **B32B 15/092** (2013.01 - CN EP); **B32B 15/14** (2013.01 - CN); **B32B 15/18** (2013.01 - EP); **B32B 15/20** (2013.01 - EP); **B32B 27/08** (2013.01 - CN); **B32B 27/12** (2013.01 - CN EP); **B32B 27/30** (2013.01 - CN); **B32B 27/34** (2013.01 - CN); **B32B 27/36** (2013.01 - CN); **B32B 27/38** (2013.01 - CN EP); **B32B 27/42** (2013.01 - CN); **B32B 33/00** (2013.01 - CN); **B32B 37/1284** (2013.01 - CN); **B32B 38/04** (2013.01 - CN); **B64D 33/02** (2013.01 - CN EP); **C09J 5/06** (2013.01 - US); **C09J 7/35** (2018.01 - US); **F02B 77/13** (2013.01 - EP); **F02C 7/045** (2013.01 - EP); **F02C 7/24** (2013.01 - US); **F02K 1/827** (2013.01 - EP); **G10K 11/168** (2013.01 - EP US); **G10K 11/172** (2013.01 - EP); **B32B 2250/05** (2013.01 - EP); **B32B 2260/021** (2013.01 - EP); **B32B 2260/046** (2013.01 - EP); **B32B 2262/106** (2013.01 - EP); **B32B 2307/102** (2013.01 - EP); **B32B 2605/18** (2013.01 - EP); **B64D 2033/0206** (2013.01 - EP); **C09J 2301/416** (2020.08 - US)

Citation (applicant)

US 2015027629 A1 20150129 - BUTLER GEOFFREY ALLEN [US], et al

Citation (search report)

- [XAY] EP 2026325 A2 20090218 - ROHR INC [US]
- [XAY] EP 3383742 A1 20181010 - SHORT BROTHERS PLC [GB]
- [XAY] US 2012291937 A1 20121122 - DREVON EMMANUEL [FR]
- [XAY] US 2013171407 A1 20130704 - FRANZOI ERIC [US], et al

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CN116931507A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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